

Model:TLPA20M500M-60-60-BC
**Solid State High Power Amplifier Systems
 20-500MHz,Gain:60dB,PsatdB:60dBm,220V AC**
Feature:

- Frequency: 20-500MHz
- Gain: 60dB Min
- Output Power: 60 dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	20-500			MHz
增益 Gain	Gp	60	63		dB
增益平坦度 Gain Flatness	Δ GL		± 2.0	± 3.0	dB
线性输出功率P1dB	P1dB		57		dBm
饱和输出功率Psat	Psat	59	60		dBm
杂散Spurious@60dBm	Spur			-60	dBc
谐波Harmonics@60dBm	HAM		-15		dBc
2-Tone Intermodulation (IMD)@51dBm/Tone, $\Delta = 1$ MHz			-20		dBc
输入驻波 Input VSWR	VSWRin		1.5	2.0	:1
输出驻波 Onput VSWR	VSWRout				:1
交流电压 AC Voltage	Vdc		220		VAC
功耗 Power Consumption	Pdiss	5000 Max@60dBm			Watt
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical :

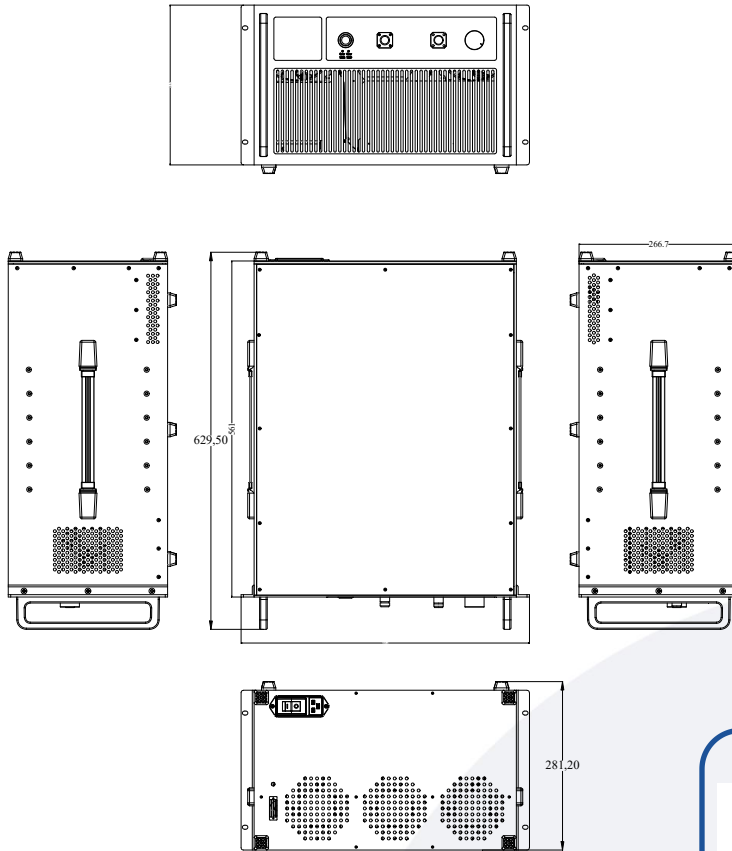
参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	N- Female/7/16 DIN	
监控和控制接口 Monitor and control interface	D-SUB 15PIN	
尺寸 Size	6U Rack Mount Chassis	
重量 Weight	50	kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
输入功率 RF INPUT POWER	5 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-40		+85	°C
相对湿度 Relative humidity		98		%
海拔 Altitude	15,000			feet
冲击/震动 Shock / Vibration(MIL-STD-810F)	Designed for ground/base/ vehicle use			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA20M500M-60-60-BC	Power amplifier 20-500MHz, Gain:60dB, Psat:60dBm, 220V AC, Built in Fan Cooling	Rev.1.0